

# Raw Sequence Listing Error Summary

## ERROR DETECTED SUGGESTED CORRECTION

SERIAL NUMBER: 09/548,998

**ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE**

- 1        Wrapped Nucleics      The number/text at the end of each line "wrapped" down to the next line.  
This may occur if your file was retrieved in a word processor after creating it.  
Please adjust your right margin to .3, as this will prevent "wrapping".
- 2        Wrapped Aminos      The amino acid number/text at the end of each line "wrapped " down to the next line.  
This may occur if your file was retrieved in a word processor after creating it.  
Please adjust your right margin to .3, as this will prevent "wrapping".
- 3        Incorrect Line Length      The rules require that a line not exceed 72 characters in length. This includes spaces.
- 4        Misaligned Amino Acid      The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs  
Numbering      between the numbering. It is recommended to delete any tabs and use spacing between the numbers.
- 5        Non-ASCII      This file was not saved in ASCII (DOS) text, as required by the Sequence Rules.  
Please ensure your subsequent submission is saved in ASCII text so that it can be processed.
- 6        Variable Length      Sequence(s)        contain n's or Xaa's which represented more than one residue.  
As per the rules, each n or Xaa can only represent a single residue.  
Please present the maximum number of each residue having variable length and  
indicate in the (ix) feature section that some may be missing.
- 7        PatentIn ver. 2.0 "bug"      A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid  
sequence(s)       . Normally, PatentIn would automatically generate this section from the  
previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section  
to the subsequent amino acid sequence.
- 8        Skipped Sequences      Sequence(s)        missing. If intentional, please use the following format for each skipped sequence:  
(OLD RULES)      (2) INFORMATION FOR SEQ ID NO:X:  
                         (i) SEQUENCE CHARACTERISTICS:(Do not insert any headings under "SEQUENCE CHARACTERISTICS")  
                         (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X:  
                         This sequence is intentionally skipped  
  
Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s).
- 9        Skipped Sequences      Sequence(s)        missing. If intentional, please use the following format for each skipped sequence.  
(NEW RULES)      <210> sequence id number  
                         <400> sequence id number  
                         000
- 10        Use of n's or Xaa's      Use of n's and/or Xaa's have been detected in the Sequence Listing.  
(NEW RULES)      Use of <220> to <223> is MANDATORY if n's or Xaa's are present.  
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 11        Use of <213>Organism      Sequence(s)        are missing this mandatory field or its response.  
(NEW RULES)
- 12        Use of <220>Feature      Sequence(s)        are missing the <220>Feature and associated headings.  
(NEW RULES)      Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial" or "Unknown"  
Please explain source of genetic material in <220> to <223> section.  
(See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of new Rules)
- 13        PatentIn ver. 2.0 "bug"      Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted  
file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing).  
Instead, please use "File Manager" or any other means to copy file to floppy disk.

OIPE

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/548,998

DATE: 05/03/2000  
 TIME: 16:47:28

Input Set : A:\BC1002 US NA Seq Listing.txt  
 Output Set: N:\CRF3\050300\I548998.raw

3 <110> APPLICANT: EBERSOLE, RICHARD C.  
 4 HENDRICKSON, EDWIN  
 6 <120> TITLE OF INVENTION: NUCLEIC ACID FRAGMENTS FOR THE IDENTIFICATION OF  
 7 DECHLORINATING BACTERIA  
 9 <130> FILE REFERENCE: BC1002 US NA  
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/548,998  
 C--> 12 <141> CURRENT FILING DATE: 2000-04-14  
 14 <150> PRIOR APPLICATION NUMBER: 60/129,511  
 15 <151> PRIOR FILING DATE: 1999-04-15  
 17 <160> NUMBER OF SEQ ID NOS: 60  
 19 <170> SOFTWARE: Microsoft Office 97  
 21 <210> SEQ ID NO: 1  
 22 <211> LENGTH: 24  
 23 <212> TYPE: DNA  
 24 <213> ORGANISM: Dehalococcoides ethenogenes  
 26 <400> SEQUENCE: 1  
 27 attttctagc gagactgccc cgcg  
 29 <210> SEQ ID NO: 2  
 30 <211> LENGTH: 1377  
 31 <212> TYPE: DNA  
 32 <213> ORGANISM: Dehalococcoides ethenogenes  
 34 <400> SEQUENCE: 2  
 35 gatgaacgct agcggcgtgc cttatgcatg caagtcgaac ggtcttaagc aattaagata 60  
 36 gtggcaaacg ggtgagtaac gcgtaagtaa cctacctcta agtgggggat agcttcggga 120  
 37 aactgaaggt aataccgcat gtgatgggct gacataagtc ggttcattaa agccgcaagg 180  
 38 tgcttggtga ggggcttgcg tccgattagc tagttggtgg ggtaatggcc taccaaggct 240  
 39 tcgatcggtg gctggctgga gaggatgac agccacactg ggactgagac acggcccaga 300  
 40 ctactacggg aggcagcagc aaggaatctt gggcaatggg cgaaagcctg acccagcaac 360  
 41 gccgcgtgag ggatgaaggc ttccgggttg taaacctctt ttcacaggga agaataatga 420  
 42 cggtacctgt ggaataagct tcggctaact acgtgccagc agccgcggta atacgtatga 480  
 43 agcaagcggt atccggattt attggcgcta aagtgcgctg aggtggctct tcaagttgga 540  
 44 tgtgaaattt cccggcttaa ccgggacgtg tcattcaata ctggtggact agagtacagc 600  
 45 aggagaaaaa cgaattcccg gtgtagtggg aaaatgcgta gatatcgga ggaacaccag 660  
 46 aggcgaaggc ggttttctag gttgtcactg acactgaggc tcgaaagcgt ggggagcgaa 720  
 47 cagaattaga tactctggtg gtccacgcct taaactatgg acactaggta tagggagtat 780  
 48 cgaccctctc tgtgccgaag ctaacgctyt aagtgtcccg cctggggagt acggtcgcaa 840  
 49 ggctaaaact caaaggaatt gacggggggc cttacaagca gcggagcgtg tggtttaatt 900  
 50 cgatgctaca cgaagaacct taccaagatt tgacatgcat gaagtagtga accgaaaggg 960  
 51 aaacgacctg ttaagtcagg agtttgcaca ggtgctgcat ggctgtcgtc agctcgtgcc 1020  
 52 gtgaggtgtt tggtaagtc ctgcaacgag cgcaaccctt gttgctagtt aaattttcta 1080  
 53 gcgagactgc cccgcgaaac ggggaggaag gtggggatga cgtcaagtca gcatggcctt 1140  
 54 tatactcttg gctacacaca cgctacaatg gacagaacaa taggttgcaa cagtgtgaac 1200  
 55 tggagctaatt ccccaaagct gtctcagtt cggattgcag gctgaaaccc gcctgcatga 1260  
 56 agttggagtt gctagtaacc gcataatcagc aaggtgcggt gaatacgttc tcgggccttg 1320  
 57 tacacaccgc ccgtcacgtc atgaaagccg gtaacacttg aagtcgatgt gcccaacc 1377  
 59 <210> SEQ ID NO: 3  
 60 <211> LENGTH: 1378

Does Not Comply  
 Corrected Diskette Needed

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PR. 4-5

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/548,998

DATE: 05/03/2000  
TIME: 16:47:28

Input Set : A:\BC1002 US NA Seq Listing.txt  
Output Set: N:\CRF3\050300\I548998.raw

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61 <212> TYPE: DNA
62 <213> ORGANISM: Dehalococcoides ethenogenes
64 <400> SEQUENCE: 3
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66 gtggcaaacg ggtgagtaac gcgtaagtaa cctaccteta agtgggggat agcttcggga 120
67 aactgaaggt aataccgcat gtggtgggcc gacataagtt ggttcactaa agccgtaagg 180
68 tgcttggtga ggggcttgcg tccgattagc tagttggtgg ggtaacggcc taccaaggct 240
69 tcgatcggtg gcttggtctg agaggatgat cagccacact gggactgaga cacggcccag 300
70 actcctacgg gaggcagcag caaggaatct tgggcaatgg gcgaaagcct gaccagcaa 360
71 cgccgcgtga gggatgaagg ctctcgggtt gtaaacctct ttccacaggg aagaataatg 420
72 acggtacctg tggataaagc ttcggctaac tacgtgccag cagccgcggt aatacgtagg 480
73 aagcaagcgt tatccggatt tattggcgt aaagtgagcg taggtggtct ttcaagttgg 540
74 atgtgaaatt tcccggctta accgggacgt gtcattcaat actgttgag tagagtacag 600
75 caggagaaaa cggaattccc ggtgtagtgg taaaatgcgt agatatcggg aggaacacca 660
76 gaggcgaagg cggttttcta ggttgctact gacactgagg ctcgaaagcg tggggagcga 720
77 acagaattag atactctggt agtccacgcc ttaactatg gacactaagt ataggagta 780
78 tcgacctctc ctgtgccgaa gctaacgctt taagtgtccc gcctggggag tacggtcgca 840
79 aggctaaaac tcaaaggaaat tgacgggggc ccgcacaagc agcggagcgt gtggtttaat 900
80 tcgatgctac acgaagaacc ttaccaagat ttgacatgca tgaagtatg aaccgaaagg 960
81 gaaacgacct gttaagtcag gagtttgcac aggtgctgca tggctgtcgt cagctcgtgc 1020
82 cgtgaggtgt ttggttaagt cctgcaacga gcgcaaccct tgttgctagt taaattttct 1080
83 agcgagactg ccccgcaaaa cggggagaaa ggtgggggat acgtcaagtc agcatggcct 1140
84 ttatatcttg ggctacacac acgtacaat ggacagaaca ataggttgca acagtgtgaa 1200
85 ctggagctaa tcctcaaagc tgtcctcagt tcggattgca ggctgaaacc cgctgcatg 1260
86 aagttggagt tgctagtaac cgcataatcag caaggtgcgg tgaatacgtt ctcgggcctt 1320
87 gtacacaccg cccgtcacgt catgaaagcc ggtaacactt gaagtcgatg tgccaacc 1378
89 <210> SEQ ID NO: 4
90 <211> LENGTH: 1377
91 <212> TYPE: DNA
92 <213> ORGANISM: Dehalococcoides ethenogenes
94 <400> SEQUENCE: 4
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96 gtggcgaacg ggtgagtaac gcgtaagtaa cctaccteta agtgggggat agcttcggga 120
97 aactgaaggt aataccgcat gtggtgggcc gacatatggt ggttcactaa agccgtaagg 180
98 cgcttggtga ggggcttgcg tccgattagc tagttggtgg ggtaatggcc taccaaggct 240
99 tcgatcggtg gcttggtctg gaggatgatc agccacactg ggactgagac acggcccaga 300
100 ctccctacggg aggcagcagc aaggaatctt gggcaatggg cgaaagcctg acccagcaac 360
101 gccgcgtgag ggatgaaggc ttccgggttg taaacctctt ttcataggga agaataatga 420
102 cggtaacctg ggaataagct tcggctaact acgtgccagc agccgcggtg atacgtagga 480
103 agcaagcgtt atccggattt attgggcgta aagtgagcgt aggtggtctt tcaagttgga 540
104 tgtgaaattt cccggcttaa ccgggacgag tcattcaata ctgttggaact agagtacagc 600
105 aggagaaaaa ggaattcccg gtgtagtggg aaaatgcgta gatatacgga ggaacaccag 660
106 aggcgaaggc ggttttctag gttgtcactg acactgaggc tcgaaagcgt ggggagcga 720
107 cagaattaga tactctggtg gtccacgctt taaactatgg acactaggta tagggagtat 780
108 cgacctctc tgtgccgaag ctaacgcttt aagtgtccc cctggggagt acggtcgcaa 840
109 ggctaaaact caaaggaaat gacgggggcc cgcaacaagc gcggagcgtg tggtttaatt 900
110 cgatgctaca cgaagaacct taccaagatt tgacatgcat gtagtagtga actgaaaggg 960
111 gaacgacctg ttaagtcagg aacttgca ggtgctgcat ggctgtcgtc agctcgtgcc 1020
112 gtgaggtgtt tggttaagtc ctgcaacgag cgcaaccctt gttgctagtt aaattttcta 1080
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 PATENT APPLICATION: US/09/548,998

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Input Set : A:\BC1002 US NA Seq Listing.txt  
 Output Set: N:\CRF3\050300\I548998.raw

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113 gcgagactgc cccgcgaaac ggggaggaag gtggggatga cgtcaagtca gcatggcctt 1140
114 tatactcttg gctacacaca cgctacaatg gacagaacaa taggttgcaa cagtgtgaac 1200
115 tggagctaata ccccaaagct gtcctcagtt cggattgcag gctgaaaccc gcctgcatga 1260
116 agttggagtt gctagtaacc gcatatcagc atggtgcggt gaatacgttc tcgggccttg 1320
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120 <211> LENGTH: 1377
121 <212> TYPE: DNA
122 <213> ORGANISM: Dehalococcoides ethenogenes
124 <400> SEQUENCE: 5
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126 gtggcgaacg ggtgagtaac gcgtaagtaa cctacctcta agtgggggat agcttcggga 120
127 aactgaaggt aataccgcat gtggtgggccc gacatatgtt ggttcaactaa agccgtaagg 180
128 cgcttggtga ggggcttgcc tccgattagc tagttggtgg ggtaacggcc taccaaggct 240
129 tcgatcggta gctggtctga gaggatgac agccacactg ggactgagac acggcccaga 300
130 ctccctacggg aggcagcagc aaggaatctt gggcaatggg cgaaagcctg acccagcaac 360
131 gccgcgtgag ggatgaaggc ttccgggttg taaacctctt ttcacaggga agaataatga 420
132 cggtacctgt ggaataagct tcggctaact acgtgccagc agccgcggta atacgtagga 480
133 agcaagcgtt atccggattt attggcgcta aagtgcagct aggtggtctt tcaagttgga 540
134 tgtgaaattt cccggcttaa ccgggacgag tcattcaata ctggtggact agagtacagc 600
135 aggagaaaac ggaattcccg gtgtagtgtt aaaatgcgta gatatcgga ggaacaccag 660
136 aggcgaagc ggtttttctag gttgtcactg acactgaggg tcgaaagcgt ggggagcgaa 720
137 cagaattaga tactctggtg gtccacgcct taaactatgg acactaggta tagggagtat 780
138 cgacctctc tgtgccgaag ctaacgctt aagtgtcccg cctggggagt acggtcgcaa 840
139 ggctaaaact caaaggaatt gacggggccc cgcacaagca gcggagcgtg tggtttaatt 900
140 cgatgctaca cgaagaacct taccaagatt tgacatgcat gtagtagtga actgaaaggg 960
141 gaacgacctg ttaagtcagg aacttgacac ggtgtgcat ggctgtcgtc agctcgtgcc 1020
142 gtgaggtgtt tggtaagtc ctgcaacgag cgcaaccctt gttgctagtt aaattttcta 1080
143 gcgagactgc cccgcgaaac ggggaggaag gtggggatga cgtcaagtca gcatggcctt 1140
144 tatactcttg gctacacaca cgctacaatg gacagaacaa taggttgcaa cagtgtgaac 1200
145 tggagctaata ccccaaagct gtcctcagtt cggattgcag gctgaaaccc gcctgcatga 1260
146 agttggagtt gctagtaacc gcatatcagc atggtgcggt gaatacgttc tcgggccttg 1320
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151 <212> TYPE: DNA
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157 aactgaaggt aataccgcat gtggtgggccc gacataagtt ggttcaactaa agccgtaagg 180
158 tgccttggtga ggggcttgcc tccgattagc tagttggtgg ggtaacggcc taccaaggct 240
159 tcgatcggta gctggtctga gaggatgac agccacactg ggactgagac acggcccaga 300
160 ctccctacggg aggcagcagc aaggaatctt gggcaatggg cgaaagcctg acccagcaac 360
161 gccgcgtgag ggatgaaggc ttccgggttg taaacctctt ttcacaggga agaataatga 420
162 cggtacctgt ggaataagct tcggctaact acgtgccagc agccgcggta atacgtagga 480
163 agcaagcgtt atccggattt attggcgcta aagtgcagct aggtggtctt tcaagttgga 540
164 tgtgaaattt cccggcttaa ccgggacgag tcattcaata ctggtggact agagtacagc 600
165 aggagaaaac ggaattcccg gtgtagtgtt aaaatgcgta gatatcgga ggaacaccag 660

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RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/548,998

DATE: 05/03/2000  
TIME: 16:47:28

Input Set : A:\BC1002 US NA Seq Listing.txt  
Output Set: N:\CRF3\050300\I548998.raw

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167 cagaattaga tactctggta gtccacgcct taaactatgg acactaggta tagggagtat 780
168 cgaccctctc tgtgccgaag ctaacgcttt aagtgtccc cctggggagt acggtcgcaa 840
169 ggctaaaact caaaggaatt gacggggggc cgcacaagca ggggagcgtg tggtttaatt 900
170 cgatgctaca cgaagaacct taccaagatt tgacatgcat gaagtagtga accgaaaggg 960
171 aaacgacctg ttaagtcagg agtttgcaca ggtgctgcat ggctgtcgtc agctcgtgcc 1020
172 gtgaggtggt tggttaagtc ctgcaacgag cgcaaccctt gttgctagtt aaattttcta 1080
173 gcgagactgc cccgcgaaac ggggaggaag gtggggatga cgtcaagtca gcattggcctt 1140
174 tatatcttgg gctacacaca cgtacaatg gacagaacaa taggttgcaa cagtgtgaac 1200
175 tggagctaatt cctcaaagct gtctcagtt cggattgcag gctgaaaccc gcctgcatga 1260
176 agttggagtt gctagtaacc gcataatcagc aaggtgcggt gaatacgttc tcgggccttg 1320
177 tacacaccgc ccgtcacgtc atgaaagccg gtaacacttg aagtcgatgt gcccaacc 1377
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180 <211> LENGTH: 1443
181 <212> TYPE: DNA
182 <213> ORGANISM: Dehalococcoides ethenogenes
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187 aactgaaggt aataccgcat gtgatgggtt gacataagtc ggttcattaa agccgcaagg 180
188 tgcttggtga ggggcttgcg tccgattagc tagttgggtg ggtaatggtc taccaaggct 240
189 tcgatcggta gctggtctga gaggatgac agccacactg ggactgagac acgggccaga 300
190 ctcctacggg aggcagcagc aaggaatctt gggcaatggg cgaaagcctg acccagcaac 360
191 gccgcgtgag ggatgaaggc ttctgggttg taaacctctt ttcacagggg agaataatga 420
192 cggtaacctgt ggaataagct tcggctaact acgtgccagc agccgcggta atacgtaggg 480
193 aagcaagcgt tatccggatt tattgggcgt aaagtgcgct taggtggtct ttcaagttgg 540
194 atgtgaaatt tcccggctta accgggacgt gtcattcaat actgttgac tagagtacag 600
195 caggagaaaa cggaattccc ggtgtagtgg taaaatgcgt agatatcggg aggaacacca 660
196 gaggcgaagg cggttttcta gttgtcact gacactgagg ctcgaaagcg tggggagcga 720
197 acagaattag atactctggt agtccacgcc ttaaactatg gacactaggt atagggagta 780
198 tcgacctctt ctgtgccgaa gctaacgctt taagtgtccc gcctggggag tacggtcgca 840
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200 tcgatgctac acgaagaact taccaagatt tgacatgcat gaagtagtga accgaaaggg 960
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203 cgagactagc gagactgccc cgcgaaacgg ggaggaagggt ggggatgacg tcaagtcagc 1140
204 atggccttta tatcttgggc tacacacacg ctacaatgga cagaacaata ggttgcaaca 1200
205 gtgtgaactg gagctaattc ccaaagctgt cctcagttcg gattgcaggc tgaaacccgc 1260
206 ctgcatgaag ttggagttgc tagtaaccgc atatcagcaa ggtgcggtga atacgttctc 1320
W--> 207 gggccttgta cacaccgcc gtcacgtcat gaggccgggt aacacttgaa gtcgatgtgc 1380
208 caaccgcaa gaggcagtcg ccgaggggtg gactggtaat tgggacgaag tcgtaacaag 1440
209 gta
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212 <211> LENGTH: 47
213 <212> TYPE: DNA
214 <213> ORGANISM: Dehalococcoides ethenogenes
216 <220> FEATURE: <220>
217 <221> NAME/KEY: unsure
218 <222> LOCATION: (5) /

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*see item 10 on Enr*

*Summary sheet*

*insert closing bracket throughout the sequence*



RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/548,998

DATE: 05/03/2000  
TIME: 16:47:28

Input Set : A:\BC1002 US NA Seq Listing.txt  
Output Set: N:\CRF3\050300\I548998.raw

219 <223> OTHER INFORMATION: R=A/G n is at location 5  
221 <220> FEATURE: <220>  
222 <221> NAME/KEY: unsure  
223 <222> LOCATION: (11)  
224 <223> OTHER INFORMATION: Y=C/T n is at location 11  
226 <220> FEATURE: <220>  
227 <221> NAME/KEY: unsure  
228 <222> LOCATION: (18)  
229 <223> OTHER INFORMATION: W=A/T n is at location 18  
231 <220> FEATURE: <220>  
232 <221> NAME/KEY: unsure  
233 <222> LOCATION: (21)  
234 <223> OTHER INFORMATION: Y=C/T n is at location 21  
236 <220> FEATURE: <220>  
237 <221> NAME/KEY: unsure  
238 <222> LOCATION: (28)  
239 <223> OTHER INFORMATION: Y=T/C n is at location 28  
241 <220> FEATURE: <220>  
242 <221> NAME/KEY: unsure  
243 <222> LOCATION: (37)  
244 <223> OTHER INFORMATION: Y=T/C n is at location 37  
246 <220> FEATURE: <220>  
247 <221> NAME/KEY: unsure  
248 <222> LOCATION: (42)  
249 <223> OTHER INFORMATION: Y=C/T n is at location 42  
251 <400> SEQUENCE: 8  
W--> 252 tgtgtgggc agacataggt nggttcanta aagccgaag gngcttg 47  
254 <210> SEQ ID NO: 9  
255 <211> LENGTH: 20  
256 <212> TYPE: DNA  
257 <213> ORGANISM: Dehalococcoides ethenogenes  
259 <400> SEQUENCE: 9 20  
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263 <211> LENGTH: 20  
264 <212> TYPE: DNA  
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270 <210> SEQ ID NO: 11  
271 <211> LENGTH: 21  
272 <212> TYPE: DNA  
273 <213> ORGANISM: Dehalococcoides ethenogenes  
275 <400> SEQUENCE: 11 21  
276 gggaaacgac ctgttaagtc a  
278 <210> SEQ ID NO: 12  
279 <211> LENGTH: 22  
280 <212> TYPE: DNA  
281 <213> ORGANISM: Dehalococcoides ethenogenes

5/3/00

## VERIFICATION SUMMARY

PATENT APPLICATION: US/09/548,998

DATE: 05/03/2000

TIME: 16:47:29

Input Set : A:\BC1002 US NA Seq Listing.txt  
Output Set: N:\CRF3\050300\I548998.raw

L:11 M:270 C: Current Application Number differs, Replaced Application Number  
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:207 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:7  
L:207 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:7  
L:207 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:7  
L:207 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:7  
L:207 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:7  
L:252 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8